

OPERATING INSTRUCTIONS

Reg 135

MULTIFAX IMAGE MATE™



MURATA BUSINESS SYSTEMS, INC.

*Operating Instructions
for the
Multifax ImageMate™*

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INTRODUCTION

The Multifax ImageMate is a high speed, desktop digital facsimile machine. The ImageMate has many advanced capabilities including autodialing, delayed dialing, delayed polling, DataBase polling and much more. All these features in a compact unit that can fit into any office environment.

The Multifax ImageMate is compatible with all state-of-the-art facsimile machines (CCITT Group 3). Additionally, the ImageMate has downward compatibility with virtually all existing facsimile units worldwide (CCITT Group 2, North American FM).

The operation of the ImageMate is designed to be extremely easy. The purpose of this manual is to assist

new users with the machine's operating procedures. The following pages provide simple, step-by-step instructions for each operation of your ImageMate unit.

To initially set up your machine, pay careful attention to the following sections:

- Installation
- Setting the Machine Parameters
- Autodialer

These sections will instruct you on how to program the ImageMate so you can use the other features.

INSTALLATION

SITE REQUIREMENTS

In choosing a location for the unit, the following should be considered:

1. A modular telephone jack must be near the unit (within 5 ft.).
2. A standard 120VAC/60Hz, 3 pronged electrical outlet is required (within 4 ft.).
3. Allow easy access to the machine by providing clearance as follows:
36" in front and overhead, and
10" on each side and in the back.
4. AVOID INSTALLING THE UNIT IN DIRECT SUNLIGHT, NEAR AIR CONDITIONERS OR HEATERS, OR IN AREAS WITH EXCESSIVE HEAT, HUMIDITY, OR DUST.
5. AVOID AREAS WHERE VIBRATIONS FREQUENTLY OCCUR.
6. AVOID AREAS SUBJECT TO WATER OR CHEMICAL SPLASHES.

TELEPHONE REQUIREMENTS

When you are ready to install the ImageMate, call your local telephone company and give them the following information:

- The **telephone number** of the line to which you will connect the ImageMate.
- The **FCC registration number** of the ImageMate, which is **EFG79R-71309-FA-E**.
- The **ringer equivalence number** (REN) of the ImageMate which is **0.1B**.

The ImageMate connects to the telephone line by means of a standard jack called the USOC RJ11C. If this type of jack is not available where you want to install the ImageMate, you will need to order it from the telephone company.

Your ImageMate is designed to be used on standard-device telephone lines. Connection to telephone company-provided coin service (central office implemented systems) is prohibited. Connection to party lines service is subject to state tariffs.

If you have any questions about your telephone line, such as how many pieces of equipment you can connect to it, the telephone company will provide this information upon request.

If Problems Arise

If any of your telephone equipment is not operating properly, you should immediately remove it from your telephone line, as it may cause harm to the telephone network. If the telephone company notes a problem, they may temporarily discontinue service. When practical, they will notify you in advance of this disconnection. If advance notice is not feasible, you will be notified as soon as possible. When you are notified, you will be given the opportunity to correct the problem and be informed of your right to file a complaint with the FCC.

If you should ever decide to permanently disconnect your ImageMate from its present line, please call the telephone company and let them know of this change.

SERVICE

In the event you have any questions or require service on your Multifax ImageMate, contact the Murata Customer Support Center in your time zone:

Eastern

1-800-431-3034 (In CT, call collect (203) 849-0884)

Central

1-800-637-1600 (In TX, call collect (214) 661-8097)

Mountain & Pacific

1-800-368-6668 (In CA, 1-800-368-8866)

UNPACKING INSTRUCTIONS

To unpack your new ImageMate:

1. Open the outer carton.
2. Take out the paper roll, accessory box, power cord and telephone cord.
3. Remove the styrofoam braces on the upper sides.
4. Take the machine out in an upright position. Carry it by holding the bottom.
5. Transfer the machine to its location adhering to the site requirements.
6. Remove the plastic wrap.
7. Retain the outer carton and the styrofoam braces for reshipment.

After unpacking the carton, please check for the following items:

1. facsimile unit
2. document support tray
3. document receive tray
4. document copy tray A
5. document copy tray B
6. document copy tray guide wire
7. paper roll
8. power cord
9. RJ11C telephone cord
10. warranty registration card

NOTE: The modular telephone cord is included in the U.S. version only.

AC POWER SOURCE

The ImageMate requires the following AC power source.

1. Power Requirements AC 100 V +/- 10% or
 AC 115 V +/- 10% or
 AC 120 V +/- 10%
 50/60 Hz single phase, 3
 amps.

NOTE: The following are required in areas other than the U.S. and Canada.

AC 220 V +/- 10% or
AC 240 V + 10% / - 15%
50/60 Hz single phase,
2 amps.

2. Power Consumption

Transmit	100 VA max.
Receive	110 VA max.
Copy	150 VA max.
Stand-by	20 VA max.

WARNING: **ONCE THE MACHINE HAS BEEN INSTALLED, DO NOT TURN OFF THE AC POWER. THE POWER MUST REMAIN "ON" TO CHARGE THE BATTERY AND TO GUARANTEE DATA REMAINS IN MEMORY. IF A POWER DOWN OCCURS, THE CLOCK WILL STOP AND WILL NEED TO BE RESET. IF THE POWER IS DOWN FOR MORE THAN 48 HOURS, ALL COMMANDS STORED IN MEMORY WILL BE ERASED.**

INSTALLATION PROCEDURES

1. Unpack the carton and remove the contents according to the Unpacking Instructions.
2. Place the machine on a flat surface near a telephone and an AC outlet.
3. Connect the cord coming from the telephone instrument into the jack labeled "phone" on the back of the unit.
4. Plug one end of the telephone line cord supplied with the unit into the wall jack and the other end into the jack labeled "line" on the back of the unit.
5. Attach the power cord to the back of the machine first. Next, plug it into the AC wall outlet.
6. Turn on the "Power ON/OFF" switch located on the back panel.
7. Install the paper roll according to the Paper Installation Instructions.
8. Attach the copy tray, document support tray and the document receive tray as described in the Document Tray Installation instructions.
9. Set the TTI, Subscriber ID, Passcode and the parameters for each function as described in Setting the Machine Parameters section.

DOCUMENT TRAY INSTALLATION

1. DOCUMENT SUPPORT

The document support tray is inserted above the document guides. To insert the document support tray:

Insert the brackets at the bottom of the document tray into the openings above the paper guides on the top cover. Make sure the surfaces of the document support tray and document guide are flat.

2. DOCUMENT RECEIVE TRAY

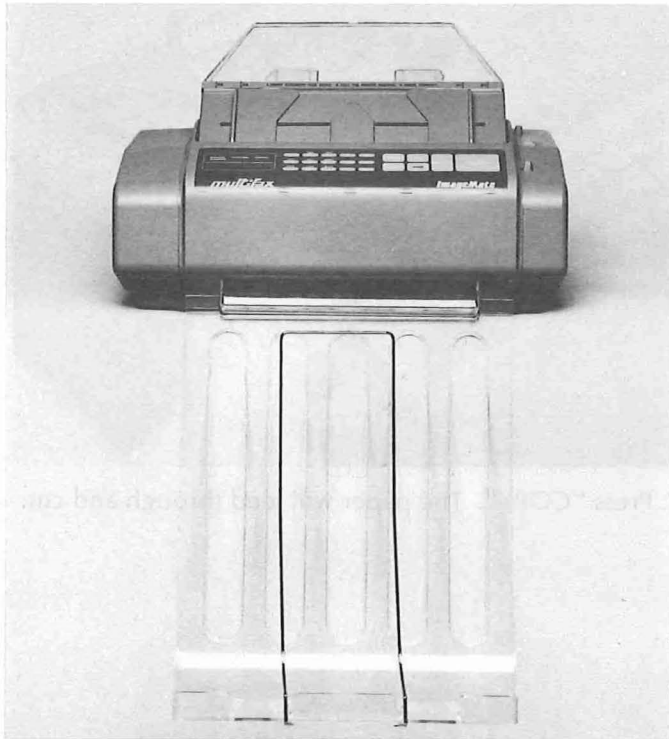
The document receive tray is located toward the back of the unit. It supports the documents being received. To insert the document receive tray:

Insert the brackets at the bottom of the tray into the indentations located by the paper cutter in the back of the machine.

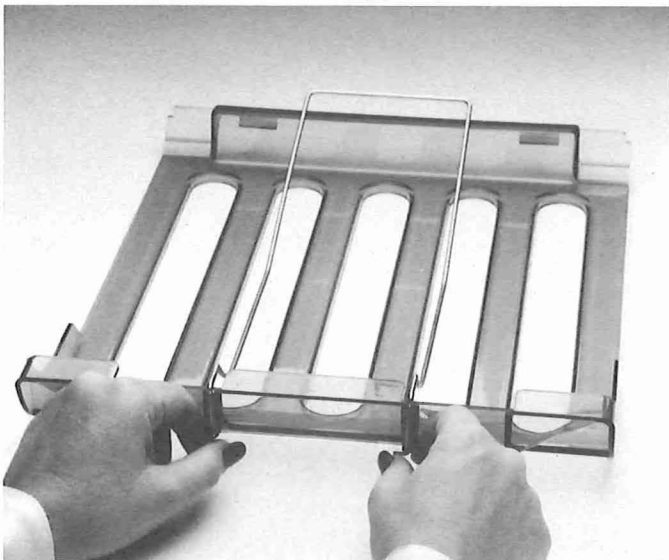
3. DOCUMENT COPY TRAY

The document tray catches the original documents after transmission. There are two ways the document tray can be set up — either to hang over the end of the table or to lie flat.

Case 1 — To set the tray to hang over the edge of the table:

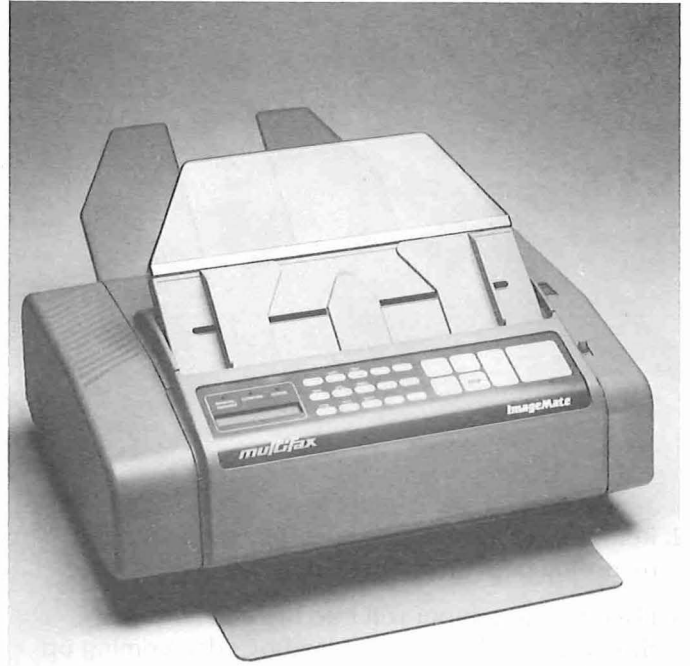


- 1) Place the machine on a desk or table so that the tray hangs over the edge.
- 2) Insert the guide wire into the holes located at the bottom of document copy tray A.



- 3) Insert the brackets located at the upper side of document copy tray A into the indentations at the bottom of the front of the unit.

Case 2 — To set the document tray to lie flat on the table:



- 1) Place the machine on a desk or table so the front cover the machine is approximately eight inches from the front edge.
- 2) Use only document copy tray B.
- 3) Insert the brackets on the upper side of document copy tray B into the indentations on the front cover of the unit.

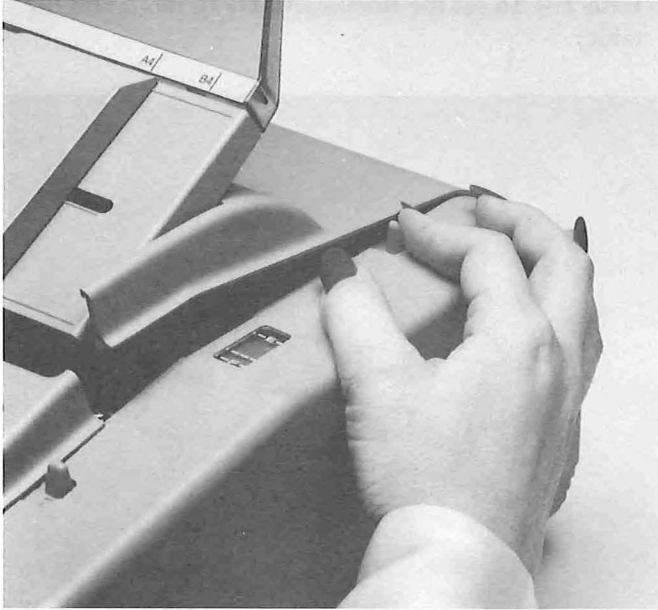
PAPER INSTALLATION

A new roll of paper should be installed when either of the following conditions exists:

1. The LOW PAPER SUPPLY LINE (red line) is visible on the paper. This line indicates that only a small amount of paper remains. A new roll of paper should be loaded as soon as possible.
2. An alarm will sound and the error light will flash, indicating that there is no paper remaining. A new paper roll must be installed for facsimile operation.

To load a roll of paper:

1. Open the top cover by pulling forward on the lever located to the back of the right-hand side cover.



2. Remove the spool containing the remaining recording paper from the paper roll cradle.
3. Place the new paper roll into the cradle. Paper should be loaded with the leading edge coming up over the paper roll.
4. Pull up the leading edge of the paper roll approximately 8 inches.
5. Slide the leading edge of the paper roll into the paper guide approximately two inches.



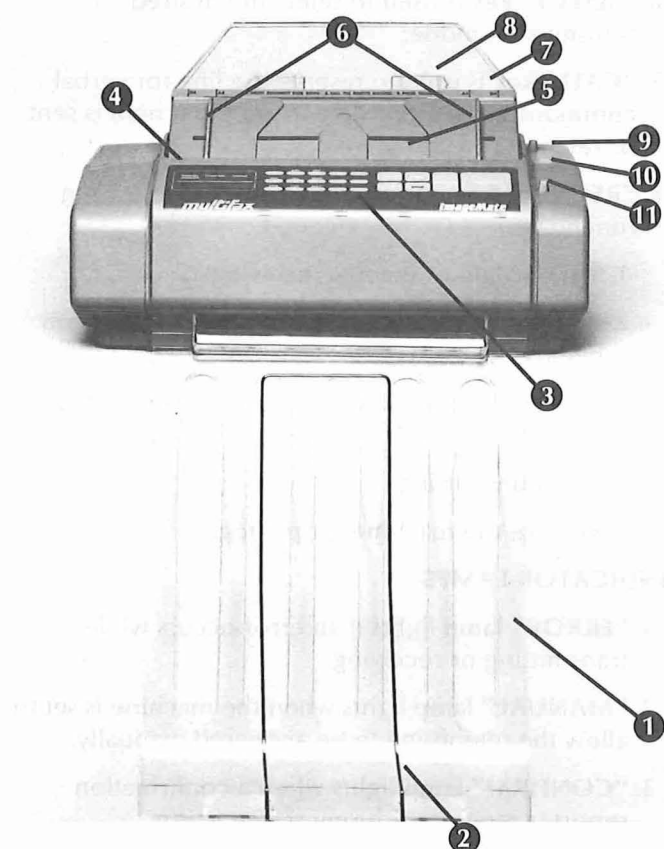
6. Close the top cover.



7. Press "COPY". The paper will feed through and cut.

MACHINE LAYOUT

FRONT VIEW



1. **Document Copy Tray** — The original document(s) drops into this tray after transmission. This tray can be set up to hang over the end of the table or to lie flat.
2. **Document Support Wire** — Supports the documents in an upright position in the Document Copy Tray.
3. **Control Panel** — Touch-sensitive panel used for entering desired commands.
4. **16-Digit Display** — Liquid crystal display used to indicate commands and procedures.
5. **Document Feeder** — Feeds original documents into the unit for transmission.
6. **Document Guides** — Adjusts according to the width of the documents to be transmitted.
7. **Document Support Tray** — Supports documents in an upright position to enhance feeder reliability.
8. **Document Receive Tray** — Receives and stacks incoming documents.
9. **Paper Cover Lever** — Opens the cover for loading the recording paper.

10. **Paper Indicator** — Indicates the remaining balance of recording paper.

11. **Front Cover Release Lever** — Releases the front cover to clear paper jams.

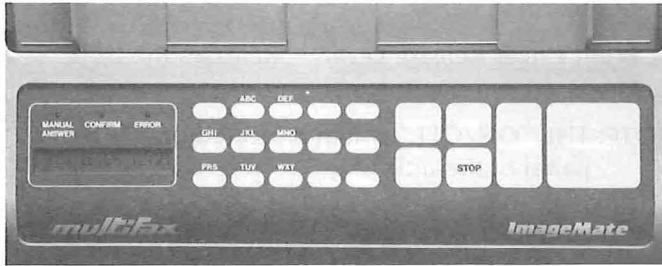
NOTE: THE "ON/OFF" switch is located on the back panel of the unit.

BACK VIEW



1. **RS-232C Interface Connector**
2. **Phone Jack** (from telephone)
3. **Line Jack** (to telephone wall jack)
4. **AC Connection**
5. **Power ON/OFF Switch**

CONTROL PANEL



All operating controls are touch-sensitive switches located on the control panel on the top of the machine. The control panel layout is shown below.

The control Panel has three major components:

- **Operating Control Keys**
- **Indicator Lamps**
- **16-Digit Display**

OPERATING CONTROL KEYS

1. Numeric Keypad is used to:

1. Enter telephone numbers.
2. Select the appropriate program mode.
3. Select numbers when entering the TTI or Subscriber ID.
4. Enter a passcode.

2. **“P” (PROGRAM) key** is used to access the program modes.
3. **“ENTR” (ENTER) key** is used to access the desired parameters.
4. **“CNCL” (CANCEL) key** is used to cancel the program parameters previously selected.

5. **“COPY” key** is used to produce a copy.
6. **“SELECT” key** is used to select the desired transmission mode.
7. **“CALL” key** is used to reserve the line for verbal communication after the current document is sent or received.
8. **“RECEIVE” key** is used to perform the following functions:
 1. Start polling or manual receiving.
 2. Activate confirmation report after transmission begins.
9. **“TRANSMIT” key** is used to perform the following functions;
 1. Start transmitting.
 2. Reserve the machine for polling.

INDICATOR LAMPS

1. **“ERROR” lamp** lights if an error occurs while transmitting or receiving.
2. **“MANUAL” lamp** lights when the machine is set to allow the telephone to be answered manually.
3. **“CONFIRM” lamp** lights when a confirmation report is requested during transmission.

16-DIGIT DISPLAY

The ImageMate has a Liquid Crystal Display (LCD) control panel capable of displaying up to 16 alpha-numeric characters. The display will provide useful information and guidance for the operator. When no operation is being performed, the date and time are displayed. This signifies the machine is in the STAND-BY mode.

CHECKING PROCEDURES

INSTALLATION CHECKLIST

After installation, check the operation of the machine as follows:

1. Check the paper.
2. Check the AC power connection.
3. Make sure the "POWER ON/OFF" switch is in the ON position.
4. Make sure the time and date is correctly displayed on the control panel display by following the instructions in the Setting the Calendar and Clock section.

OPERATING CHECKLIST

1. The document size and transmission mode should appear in the display when a document is inserted into the document feeder.
2. The automatic feeder should feed the document correctly.
3. The document should stop at the scanning position.
4. Multiple documents should separate properly.
5. The copy mode and corresponding copy quality should be normal.
6. The operation of the keypad and indicator lamps should work correctly.

SETTING THE MACHINE PARAMETERS

The ImageMate is equipped with many intelligent functions. When installing the ImageMate, the following parameters should be set at machine installation.

SETTING THE CALENDAR AND CLOCK — P, 3, 0, ENTR

The ImageMate has a real time clock and calendar function. The time is represented by a 24-hour clock.

To enter year, month, day, hour and minute into the machine, the following steps should be taken:

EXAMPLE: Set clock and calendar to 10:52 a.m. on February 16, 1986.

INSTRUCTIONS	DISPLAY
— STAND-BY mode	Aug 25, 84 09:34
1. Press "P", "3", "0".	Set Clock
2. PRESS "ENTR".	08 25, 84 09:34
3. PRESS "0", "2" for the month.	02 25, 84 09:34
4. PRESS "ENTR".	02 25, 84 09:34
5. PRESS "1", "6" for the day.	02 16 , 84 09:34
6. PRESS "ENTR".	02 16 , 84 09:34
7. PRESS "8", "6" for the year.	02 16, 86 09:34
8. PRESS "ENTR".	02 16, 86 09:34
9. PRESS "1", "0" for the hour.	02 16, 86 10 :34
10. PRESS "ENTR".	02 16, 86 10 :34
11. PRESS "5", "2" for the minutes.	02 16, 86 10: 52
12. PRESS "ENTR".	Feb 16, 86 10:52

NOTE: At every setting step, the digits printed in bold will be flashing.

SETTING THE TRANSMIT TERMINAL IDENTIFIER (TTI) — P, 3, 1, ENTR

The Transmit Terminal Identifier (TTI) consists of up to 26 alpha-numeric characters and symbols pre-set by the operator as well as the subscriber ID, date, time, communication number and page number of the document. The TTI is automatically printed at the top of each transmitted page.

To set the TTI:

1. The machine must be in the STAND-BY mode.
2. Press “P”, “3” and “1”. **SET TTI** will appear in the display.
3. Press “ENTR” and the characters in the first character group will appear in the display as follows:

@ABCDEFG 00

NOTE: In the above display, the underline “ ” indicates the cursor position and “00” indicates the number of characters entered in the TTI. To exit this mode after entering the characters, press “P”. The machine returns to the STAND-BY mode.

4. The 96 characters and symbols available are divided into 12 groups as shown in Table 1. To obtain the desired characters, the cursor must be shifted under the character to be set.
 - Pressing “TRANSMIT” cycles the character groups toward the last group.
 - Pressing “RECEIVE” cycles the character groups in reverse.
 - Pressing “CALL” shifts the cursor one space to the right.
 - Pressing “COPY” shifts the cursor one space to the left.
5. When the cursor is under the character to be set, press “ENTR”. The corresponding character is now entered into the machine. Entering numerals can be accomplished by using the numeric keypad.

@ABCDEFG 01

In the preceding display, “A” is set as the first character.

6. To cancel a character mistakenly entered, press “CNCL”. The display of the entered TTI scrolls one digit to the right.
7. Press “P” after entering all the chosen characters.

NOTE: If more than 26 characters are entered, the machine will not accept any additional characters.
8. After setting the TTI information, print the Machine Settings according to the instructions in the Printing the Machine Settings section for confirmation (P, 3, COPY, ENTR).

SETTING THE SUBSCRIBER ID — P, 3, 2, ENTR

In addition to the TTI, an identifier of up to 20 digits (numeric only) may be programmed into the ImageMate. This will be printed next to the TTI at the top of each page transmitted from the unit.

Typically, the Subscriber ID is used to provide the telephone number associated with the unit.

To set the Subscriber ID:

1. Press “P”, “3” and “2”. **SET ID** will appear in the display.
2. Press “ENTR”. The display will read: **ID:**

NOTE: If any numbers are already registered, the registered numbers will appear in the display. If you wish to change the number, press “CNCL”. The display will become blank.
3. Enter the desired number (typically the facsimile machine’s telephone number) of up to 20 digits and spaces. Pressing the “*” button will produce one space.
4. After entering the complete number, press “ENTR”. ****COMPLETED**** will appear in the display for two seconds and the machine will then return to the STAND-BY mode.
5. After setting the Subscriber ID, print the Machine Settings in accordance with the instructions in the Printing the Machine Settings section (P, 3, COPY, ENTR).

TABLE 1 — TTI CHARACTERS

GROUP NO.	CHARACTER							
	1	2	3	4	5	6	7	8
1	@	A	B	C	D	E	F	G
2	H	I	J	K	L	M	N	O
3	P	Q	R	S	T	U	V	W
4	X	Y	Z	[¥]	^	—
5	\	a	b	c	d	e	f	g
6	h	i	j	k	l	m	n	o
7	p	q	r	s	t	u	v	w
8	x	y	z	{		}	~	←
9		!	"	#	\$	%	&	'
10	()	*	+	,	-	.	/
11	0	1	2	3	4	5	6	7
12	8	9	:	;	<	=	>	?

NOTE: Character 1 in Group 9 is used to insert a blank space(s).

SETTING THE PASSCODE — P, 3, 4, ENTR

The ImageMate has a passcode function that is used as a security measure for documents to be polled by a remote terminal. Also the passcode is used for the authorization number when the ImageMate is used in conjunction with an ImageMaster that has its closed network function set to ON.

When the passcode is set on all Multifax units, the documents on the transmitter can be polled only when the passcode of the remote terminal and that of the transmitting terminal are identical. This protects the documents to be polled from unauthorized access.

Within a system utilizing an ImageMate and ImageMaster, when the ImageMaster's network function is on, it checks the ImageMate passcode before transmission. If the passcode matches, it will receive documents from that unit. If not, the telephone line disconnects.

To cancel the passcode function, set the passcode to "0000". This enables any remote terminal to poll a document.

To set a passcode:

1. Press "P", "3" and "4". **PASSCODE SET** will appear in the display.
2. Press "ENTR". The display will indicate the passcode. If a passcode has been set, the number that has been set will appear in the display.

Passcode = 1234

3. Enter the desired number of up to four digits.

4. After entering the passcode, press "ENTR".

****COMPLETED**** will appear in the display and the machine will return to the STAND-BY mode.

5. After setting the passcode, print the Machine Settings in accordance with the instructions in the Printing the Machine Settings section for confirmation (P, 3, COPY, ENTR).

PRINTING THE MACHINE SETTINGS — P, 3, COPY, ENTR

The ImageMate has the capability of printing a list describing how each function is set. The Machine Settings list consists of the items pre-set at the time of installation (TTI, Passcode, Subscriber ID, etc.) and the status of each function.

To print the list of Machine Settings:

1. The machine must be in the STAND-BY mode.
2. Press "P", "3" and "COPY". **PRINT SETTINGS** will appear in the display.
3. Press "ENTR". The machine will automatically print a list of Machine Settings. While printing, the display will show: ****PRINTING****
4. After printing, the machine returns to the STAND-BY mode.

****MACHINE SETTINGS** Feb 21, 86 2:58**

TTI	:	MBS MARKETING
SUBSCRIBER ID	:	214 392 1015
PASSCODE	:	0000
CONFIRMATION	:	RCR
REDIAL INTERVAL	:	3 minutes

AUTODIALER

The Multifax ImageMate has a powerful automatic dialer. Using the control panel, 30 frequently called telephone numbers of up to 26 digits (including pauses for various telephone system access functions) can be programmed into memory.

The autodialer provides the ability to speed dial telephone numbers stored in memory and will automatically re-dial a busy number for any number dialed using the keypad. When a busy number is encountered, it will attempt to re-dial the busy number two more times.

Once the telephone numbers have been programmed, the ImageMate will print out on demand a complete telephone directory listing (see Printing the Directory section — P, 3, 8, ENTR). The telephone directory includes the stored speed dial numbers, the location identifier associated with each number, and the telephone number.

The machine's keypad should be used instead of the telephone handset for dialing all facsimile calls to automatically receive G3 and G2 units. This will provide automatic re-dialing when a busy signal is reached.

ENTERING A TELEPHONE NUMBER — P, 3, 7, ENTR

To enter telephone numbers into memory:

1. Press "P", "3" and "7". **SET DIRECTORY** will appear in the display.
2. Press "ENTR". **00:** will appear in the display. This indicates that memory location 00 is being programmed.
3. Enter the desired telephone number using the keypad. If a pause is necessary to access a telephone system, press "#" at the appropriate point. This will display a "/ ", which will instruct the autodialer to pause for five to ten seconds before continuing to dial. If a longer pause is necessary, press "#" again.

Pressing "*" key will insert a "—". This has no machine function and would be used only for convenience in viewing numbers.

Example:

To enter an access code for an alternate long distance carrier:

Entering 6538928 SELECT 79348*214392*1622 will display: 6358928/79348-214392-1622.

4. After entering the desired telephone number, press "ENTR". The display will ask you whether the telephone number is to be used for group polling (see the Group Polling section for explanation). Press "SELECT" to enter yes or no. If the number is to be used for group polling the display should read:

Polling = YES?

If the number is not used for group polling, the display should indicate:

Polling = NO?

5. Press "ENTR" once you have decided on the group polling selection. **LOCATION ID** will appear in the display. (If the location number, **xx:** appears in the display, press "CNCL" and continue programming the location ID at step 6.) An identifier of up to 8 alpha-numeric characters describing the telephone number just entered must now be programmed. For example, to identify 214-392-1622 enter HDQTRS.
6. Press "ENTR". **@ABCDEFG 00** will appear in the display. Set the letters in the location identifier, as explained in the Setting the TTI section.

NOTE: Entering the Location ID is not necessary. If you do not wish to set a location identifier, press "CNCL".

7. After setting the location identifier, press "P". The display will ask for the next speed dial number to be programmed.

If more telephone numbers are required, repeat steps 4 through 9 until all telephone numbers have been entered. When all numbers have been entered, press "STOP". The machine will return to the STAND-BY mode.

8. To verify the numbers entered, print out the telephone directory following the instructions under Printing the Telephone Directory (P, 3, 8, ENTR).

NOTE: At any point, if an incorrect digit or character is entered, press "CNCL" and the last digit entered will be deleted. To add telephone numbers after initial programming, follow the steps in the next section.

ADDING A TELEPHONE NUMBER — P, 3, 7, ENTR

To add a telephone number into memory:

1. Press "P", "3" and "7". **SET DIRECTORY** will appear in the display.
2. Press "ENTR". **00:** and the numbers programmed in this location will appear as follows:

00: 214-392-1622

3. Press "TRANSMIT" to display the telephone number of the next memory location. Continue to press "TRANSMIT" until **xx:** is displayed. This means that no telephone number is in that particular memory location and a number may now be added. For example, 20: means the next memory location is number 20.

Pressing "RECEIVE" scrolls the telephone memory locations in reverse order. For example, press "RECEIVE" when "00:" is displayed, and the display indicates location "29:". Pressing "RECEIVE" again displays "28:", etc.

4. Enter the desired telephone numbers, group polling indicator and location identifiers following the steps in the previous section.
5. Press "STOP" and the machine will return to the STAND-BY mode.

CHANGING A TELEPHONE NUMBER — P, 3, 7, ENTR

a. To Change a Telephone Number:

1. Press "P", "3", "7" and "ENTR". The number of the first memory location and the programmed telephone number will appear in the display.

2. Continue to press "TRANSMIT" or "RECEIVE" until the desired memory location number appears in the display. For example:

12: 123-456-7890

3. Press "CNCL" to clear the programmed number. The telephone number will disappear and the location identifier will be erased. The display will read:

22:

4. Enter the desired telephone number using the keypad.
5. Press "ENTR".
6. Follow steps 7 and 8 from the Entering a Telephone Number section to program the location identifier.
7. Press "STOP" to return to the STAND-BY mode.

b. To Change the Group Polling Indicator:

1. Press "P", "3", "7" and "ENTR".
2. Continue to press "TRANSMIT" or "RECEIVE" until the desired memory location number is shown in the display. For example:

12: 345-976-5016

3. Press "ENTR". The machine will display how the group polling indicator is set.

Polling = YES?

4. If it is necessary to change the polling indicator, press "SELECT":

Polling = NO?

5. Once the group polling indicator has been changed, press "ENTR".
6. Press "STOP" and the machine will return to the STAND-BY mode.
7. Press "ENTR". @ABCDEFG 00 will appear in the display. Set the desired location identifier following the instructions in Setting the TTI, (P, 3, 1, ENTR).
8. After setting the location identifier, press "P".
9. Press "STOP" to return to the STAND-BY mode.

c. To Change the Location Identifier:

1. Press "P", "3", "7" and "ENTR". The first memory location and telephone number will appear in the display.
2. Press "TRANSMIT" or "RECEIVE" until the desired memory location number appears in the display. For Example:

15: 987-654-3210

3. Press "ENTR".

POLLING = YES?

4. Press "ENTR" to display the location identifier in memory.

15: XYZ COMPANY

5. Press "CNCL" to cancel the location identifier. Press "ENTR".
6. Set the desired location identifier following the instructions in Setting the TTI (P, 3, 1, ENTR).
7. After resetting the location identifier, press "P".
8. Press "STOP" to return to the STAND-BY mode.

DELETING A TELEPHONE NUMBER — P, 3, 7, ENTR

To delete a telephone number from memory:

1. Press "P", "3", "7" and "ENTR". The telephone number in the first memory location will appear in the display.
2. Press "TRANSMIT" or "RECEIVE" until the desired memory location number is shown in the display.

12: 111-222-3333

3. Press "CNCL" to delete the telephone number.
4. Press "ENTR". At this point the telephone number and location identifier are erased from memory.
5. Press "STOP" to return to the STAND-BY mode.

PRINTING THE TELEPHONE DIRECTORY — P, 3, 8, ENTR

To print a list of the telephone numbers programmed in the ImageMate:

1. Press "P", "3" and "8". **PRINT DIRECTORY** will appear in the display.
2. Press "ENTR". The machine will print the telephone directory. The directory provides the location, telephone number and polling indicator settings.
3. While printing the telephone directory, the display will show: ****PRINTING****. After printing the directory, the machine will return to the STAND-BY mode.

****TELEPHONE DIRECTORY** Feb. 21, 86 3:14**

No.	Location	Telephone Number	Polling	Note
00	Atlanta	1-404-323-4574	YES	
01	Chicago	1-312-635-9841	YES	
02	Dallas	255-3455	YES	
03	Murata	392-1003	YES	

NOTE: The note column is for the operator's convenience to make special handwritten notations.

SETTING THE REDIAL INTERVAL — P, 3, CALL, ENTR

You may set the autodialer to redial a busy number at either three or five minute intervals. The ImageMate will redial a number two additional times at the specific interval. To set the redial interval:

1. Press "P", "3", and "CALL". **SET REDIAL TIME** will appear in the display.
2. Press "ENTR". The redial time currently set will appear in the display. Press "SELECT" to change the redial time to either three or five minutes.
3. Press "ENTR". The redial interval time will be set and the machine will return to the STAND-BY mode.

PROGRAM MODES — P, SELECT

Commands need not be memorized for each ImageMate operation. By pressing "P" and "SELECT" keys, the machine allows you to display the program modes and choose the desired command. The following is a list of the program modes:

Display	Program Mode
Delayed Transmit	"P", "TRANSMIT", "ENTR"
Delayed Polling	"P", "RECEIVE", "ENTR"
Print Commands	"P", "0", "COPY", "ENTR"
Clear Command	"P", "0", "CNCL", "ENTR"
Print Journal	"P", "0", "0", "ENTR"
Group Polling	"P", "1", and "RECEIVE", "ENTR"
DataBase Poll	"P", "2", and "RECEIVE", "ENTR"
Set Clock	"P", "3", "0", "ENTR"
Set TTI	"P", "3", "1", "ENTR"
Set ID	"P", "3", "2", "ENTR"
Passcode Set	"P", "3", "4", "ENTR"
Set Confirmation	"P", "3", "5", "ENTR"
Set Directory	"P", "3", "7", "ENTR"
Print Directory	"P", "3", "8", "ENTR"
Print Settings	"P", "3", "COPY", "ENTR"
Set Dial Time	"P", "3", "CALL", "ENTR"
Receive RS232	"P", "3", "RECEIVE", "ENTR"

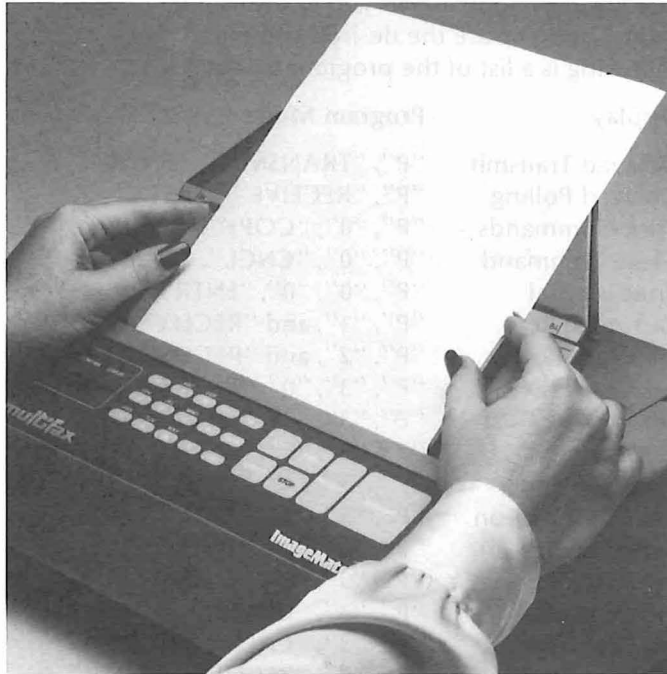
BASIC OPERATIONS

This section provides instructions on how to send and receive documents with the ImageMate. Instructions for each method are provided here.

TRANSMITTING

To send documents:

1. The machine must be in the STAND-BY mode.
2. Place the document face down between the document paper guides.
NOTE: To load a stack of documents, adjust them so that the bottom document will always be the leading document in the feeder.
3. Set the paper guides to match the document width.



NOTE: Documents wider than 8.5" will be automatically reduced to 8.5" unless the recording unit is capable of printing larger documents. Therefore, do not mix documents wider and narrower than 8.5". Mixing document sizes will cause all documents to be reduced.

4. Insert the documents into the document feeder. The automatic feeder will advance the first page of the document into the scanner. The display panel will indicate the document size and the transmission mode as shown in the following example:

A4 NORM

5. Select the desired transmission mode by pressing "SELECT" until the appropriate mode appears in the display. The modes are displayed in the following order:

NORM, FINE, SFINE, G2, FM,

Norm and Fine are used when transmitting to a Group 3 (G3) machine. For most documents NORM mode should be used. FINE mode is necessary when detailed documents are being sent. SFINE mode (super fine mode) offers the highest resolution and should be used when very detailed documents are being sent. SFINE will only work when transmitting to another ImageMate or ImageMaster.

6. PAGE COUNTING (Optional Step)

With the ImageMate, received copies are sequentially numbered automatically. The operator can also identify the total number of pages to send by using the keypad. The transmitting unit will count the pages as they are sent to ensure all pages are received. If a page is missing, an alarm will sound, the ERROR lamp will flash and an error message will be printed out. To activate the page count:

- a. Insert the documents to be sent.
- b. Press "#". The display will read:

of pages = 00

- c. Using the keypad, enter the total number of pages to be sent.

of pages = 03

- d. Press "ENTR" and the display will return to the document mode selected. For example:

A4 NORM

- e. When the documents are transmitted, the received copies will be numbered as P.01/03, etc.
7. There are three ways to dial the receiving unit using the ImageMate:
- Dial the number using the keypad. If a pause is necessary to access a telephone system, press "#" at the appropriate point. This will instruct the autodialer to pause for five to ten seconds before continuing to dial. If a longer pause is necessary, press "#" again. After dialing the number, press "TRANSMIT".
 - Lift the telephone handset and dial the number of the receiving facsimile unit as you would dial a normal telephone call. Listen for an acknowledgement tone from the receiving facsimile terminal. Press "TRANSMIT" to connect the machine to the telephone line and hang up the telephone handset.
 - To use the speed dial numbers programmed into memory, without using the telephone handset, press the digits of the assigned memory location and press "TRANSMIT".
- NOTE:** Locations 00-09 only require one digit to be pressed.
8. If the number has been dialed using the keypad, the display will indicate *****CALLING*****. If not, the display will read: **XMIT NORM**
9. After the line connects to the receiving facsimile terminal, the machines then go through a handshake procedure and the following will be indicated in the display.

Telephone Number (Subscriber ID) or
Transmit Terminal Identifier (TTI)

10. While the documents are being transmitted, the display will indicate:

XMIT NORM NORM

11. After the last document is transmitted, the phone connection is automatically terminated. The machine will return to the STAND-BY mode.

AUTOMATIC RECEIVING

The Multifax ImageMate is designed for unattended receiving. The machine automatically answers the telephone, receives document(s) and disconnects the telephone in the following manner:

- The machine must be in the STAND-BY mode and set to automatic receive. No further operator involvement is necessary.
- After two or three rings, the machine answers the telephone and **CALLED** will appear in the display.
- While the machine is receiving, the display indicates the operating mode. For example:

RECEIVE NORM

- The received copies are dropped into the copy tray.
- When the last document is received, a completion tone sounds and the machine returns to the STAND-BY mode.

MANUAL RECEIVING

The ImageMate can be switched by the operator to a manual answer mode. This feature is utilized when there are not enough telephone lines to dedicate one to the fax unit. To make the best use of this feature, set the ImageMate to be answered manually during office hours and automatically at night.

To set the machine to answer manually:

- Press "RECEIVE" when the machine is in the "STAND-BY" mode.
- The manual lamp will light indicating the machine is set to answer manually.
- To change the machine to automatically answer, press "RECEIVE" again.

To receive a document when the machine is in the manual answer mode:

- When called, lift the telephone handset and press "RECEIVE".
- Hang up the telephone handset.
- While the machine is receiving, the display indicates the operating mode as shown in the following example:

RECEIVE NORM

4. The received copies are discharged into the copy tray.
5. When the last document is received, a completion tone sounds and the machine returns to the STAND-BY mode.

POLLING

Polling is the ability to call a remote facsimile machine that has a document(s) in its feeder, and have the document(s) automatically sent to your machine.

Receiving Unit

To receive documents from a facsimile machine that has been set up to be polled:

1. The machine must be in the STAND-BY mode.
2. The sending terminal operator must follow the transmitting polling procedures when placing the documents.
3. Dial the number of the facsimile unit to be polled.
 1. Lift the telephone handset and dial the number as you would a normal telephone call. Or without using the handset, simply dial the telephone or speed dial number utilizing the ImageMate keypad and press "RECEIVE".
 2. When using the telephone handset, listen for an acknowledgement tone sent by the receiving facsimile terminal. Press "RECEIVE" to connect the machine to the telephone line. Hang up the handset.

Transmitting Unit

To send documents to a facsimile machine that has been set up for polling:

1. The machine must be in the STAND-BY mode.
2. Load the document(s) face down into the document feeder. Adjust the document guides to the width of the document(s). The first document will be advanced into the scanner and the display will indicate the document size and transmission mode as shown in the following example:

A4 NORM

3. Select the desired transmission mode by pressing "SELECT" until the appropriate mode appears in the display.

NOTE: Polling is only possible when both the receiving and sending units are set in the same transmission mode. A G3 mode setting (NORM, FINE, SFINE) can only be polled in G3 mode; a G2 mode setting can only be polled in G2 mode. Polling is not possible in the FM mode.

4. Press "TRANSMIT". The display will show the following:

POLL NORM 10:52

5. When the machine is called by the receiving terminal, the machine will automatically answer the phone. The display will show:

*****CALLED*****

6. If a passcode is set at the transmitter (see Setting the Passcode, P, 3, 4, ENTR), the machine checks the passcode of the remote machine. If the passcode does not match, the machine will disconnect the phone line. If the passcode matches or there is no passcode set on the machine, the machine will start transmitting the document(s) automatically. During handshake, the display will show:

XMIT NORM

7. While the machine is transmitting data, the display will read:

XMIT NORM NORM

8. If the machine at the other end is a Multifax series, the TTI or Subscriber ID will appear in the display before transmission as follows:

To: MBS HEADQTRS (TTI)

Or

To: 214 392 1622 (Subscriber ID)

9. After transmission is completed, the phone line is automatically disconnected and the machine returns to the STAND-BY mode.

NOTE: Press "STOP" or remove the document(s) from the document feeder to cancel the polling operation.

GROUP POLLING — P, 1, RECEIVE, ENTR

Group Polling is used to poll documents from multiple locations sequentially. Up to 30 telephone numbers may be polled one right after the other. Before using the group polling function, the group polling indicator must be set to YES for the appropriate locations to be polled. This is performed while programming the speed dial numbers for the autodialer.

1. Press "P", "1" and "RECEIVE". **GROUP POLLING** will appear in the display.
2. Press "ENTR". The present time will appear in the display.
3. Enter the desired dialing time using the keypad.

Dial Time: 20:00

4. Press "ENTR". The display will read:

ADXX 12:10

"ADXX" indicates the number of commands awaiting execution, and 12:10 indicates the present time.

5. The machine will automatically dial and poll each location in sequence.

NOTE: Only the locations in the autodialer directory that have the polling indicator set to "YES" will be called.

When entering multiple autodialer commands, only one command for polling (Delayed Polling, Group Polling or DataBase Polling) can be set.

DATABASE POLLING — P, 2, RECEIVE, ENTR

The ImageMate can be used to access a database file stored in a Multifax ImageMaster. The ImageMaster has the ability to store documents to be polled in its memory. The ImageMate can ask for documents by requesting the appropriate file number. It will receive only the document(s) in the requested file. Up to five files may be received at one time.

1. Press "P", "2" and "RECEIVE". **DATA BASE POLL** will appear in the display.
2. Press "ENTR".

DataBase# = 0000

3. Enter the desired DataBase number using the keypad. A maximum of four digits can be entered for a DataBase number. If multiple DataBases are required, insert a "P" between the DataBase numbers.
4. To access DataBase file numbers 2 and 13, enter "2", "P", "13".
5. Press "ENTR". **SET DIAL NUMBER** will appear in the display.
6. Enter the telephone number or speed dial number of the ImageMaster unit from which the database is to be polled.

7. Press “ENTR”. The present time will appear in the display.

Dial Time: 10:52

8. Enter the desired dialing time using the keypad.

Dial Time: 13:15

9. Press “ENTR”. The machine will display the number of commands awaiting execution followed by the time the first command is to be executed and the present time.

DELAYED DIALING

Delayed Dialing offers the ability to transmit or poll documents at a programmed later time. This allows you to take advantage of lower after-hour telephone rates or overcome time zone differences.

DELAYED TRANSMITTING — P, TRANSMIT, ENTR

To send documents at a later time:

1. Press “P” and “TRANSMIT”. **DELAYED TRANSMIT** will appear in the display.
2. Press “ENTR”. The machine will ask the number of pages to be sent.

of Pages = 00

3. Enter the number of pages to be sent using the keypad. Up to 30 pages can be set at one time.
4. Press “ENTR”. The machine will display the normal (NORM) transmission mode.

Xmit mode : NORM

If another transmission mode is required, press “SELECT” until the desired transmission mode appears in the display.

5. Press “ENTR”. The machine will ask for the telephone number.

Set Dial Number

6. Enter the speed dial number using the keypad.

NOTE: The machine will only accept a 1 or 2 digit speed dial number while using the Delayed Transmitting function.

7. Press “ENTR”. The present time will appear in the display.

Dial Time: 10:52

8. To change the dialing time, enter the desired time using the keypad.

Dial Time: 12:10

9. Press “ENTR”. The display will indicate:

ADXX 12:10 10:52

“ADXX” indicates the number of delayed dialing commands programmed in the unit, 12:10 indicates the transmission time and 10:52 indicates the present time.

10. Leave the documents in the machine. The ImageMate will send them at the programmed time.

NOTE: To send multiple documents at various times, see the Autodialer Commands section.

DELAYED POLLING — P, RECEIVE, ENTR

To poll a document from another machine at a later time:

Receiving Unit

1. Press “P”, and “RECEIVE”. **DELAYED POLLING** will appear in the display.
2. Press “ENTR”. The machine will prompt you to enter the telephone number of the machine to be polled.

Set Dial Number

3. Input the telephone number or the speed dial number.

4. Press "ENTR". The present time will appear in the display.

Dial Time: 10:52

5. Enter the desired dialing time.

Dial Time: 13:15

6. Press "ENTR". The display will indicate the number of commands awaiting execution followed by the transmission time of the next command to be executed and the present time.

ADXX 13:15 10:52

Transmitting Unit

See the transmitting unit instructions described in the Polling section.

AUTODIALER COMMANDS

The ImageMate has the capability to store up to 10 delayed dialing and one polling command (delayed polling, database polling or group polling). A polling command will always be number 11. Each command is entered following the instructions from the Delayed Transmitting Polling section. The documents are loaded into the document feeder in the order they are to be sent. Up to 30 pages can be loaded in the feeder at one time, therefore, commands for no more than 30 pages can be programmed at one time.

Entering Multiple Commands

1. Insert the documents in the ImageMate in the order in which they are to be sent. (Example: Pages 1 through 3 go to New York at 8:15 a.m., pages 3 through 10 to Chicago at 12:00 and page 11 to L.A. at 12:30).
2. Follow the steps in the Delayed Transmitting section (P, "TRANSMIT", "ENTR").
3. When the display asks for the numbers of pages, enter only the number of pages to send to that location.
4. Make sure each document has a different dialing time and is programmed to be sent after the previous document.
5. Program the polling command last.
6. After entering the dialing commands print the command list for confirmation.

PRINTING THE COMMAND LIST — P, 0, COPY, ENTR

To print a list of the commands in memory:

1. Press "P", "0" and "COPY". **PRINT COMMANDS** will appear in the display.
2. Press "ENTR". The machine will print out the command list. While printing the command list, the display will read: ****PRINTING****. If there are no commands in memory, **NO COMMAND** will appear in the display.
3. The command list consists of the following:
 1. The command number
 2. The location from where the document is to be sent or polled
 3. The starting time of operation
 4. The number of pages
 5. The program mode

If you wish to confirm or erase a command, you must know the command number. Print the command list to obtain this information.

COMMAND LIST Feb. 20, 86 3:40

No.	Number	Start	Pages	Mode
01	3921003	03:43	01	NORM
02	3921763	04:50	03	NORM

ERASING A COMMAND — P, 0, CNCL, ENTR

When a transmitting or polling command is no longer necessary, you can delete the unnecessary command from memory.

To erase a command from memory:

1. Press "P", "0" and "CNCL". **CLEAR COMMAND** will appear in the display.
2. Press "ENTR". The display will ask for the command number you wish to delete.

Command No. = 00

3. Enter the desired command number from the command list using the keypad. For example:

Command No. = 03

4. Press "ENTR". The display will ask you to verify the command number.

Erase No. = 03

If the number displayed is correct, press "ENTR". The command number is erased from memory. Press "CNCL" if the number is incorrect. **COMMAND NO. = 00** will appear in the display.

5. The machine will return to the STAND-BY mode.

NOTE: Precaution should be taken in entering a command number. A wrong number could cause another person's document to be erased.

ACTIVITY JOURNALS

The ImageMate has an activity reporting system that logs all transmit and receive transactions. The journal has two areas: one holds transmitting activity and the other holds receiving activity. Each journal memory can record information for up to 25 transactions.

When the journal memory becomes full (i.e., 25 entries), the journal report will automatically be printed out. The journal memory always holds the most recent 25 transactions and can also be printed at any time.

PRINTING ACTIVITY JOURNALS — P, 0, 0, ENTR

To print out the activity journal report on demand, the following steps should be taken:

1. Press “P” and “0”, and “0”. **PRINT JOURNAL** will appear in the display.
2. Press “ENTR”. The machine will print out the transmit journal and receive journal reports respectively. During printing, the display will show:
****Printing****
3. After completion, the machine will return to the STAND-BY mode.
4. Each activity journal contains the following information:
 - a. Serial number of communication per day
 - b. Transmit Terminal Identifier
 - c. Starting/ending date of activity contained in journal
 - d. Type of journal — transmit or receive
 - e. Identification of the other terminal
 - f. Transmission mode
 - g. Date and starting time of the facsimile operation
 - h. Total elapsed time of the facsimile operation
 - i. Number of pages
 - j. Transmission result — OK or error code
 - k. Identification of the polling transaction

Feb 21, 86 5:46							
ACTIVITY JOURNAL (Jan 30, 86 - Feb 06, 86)							
TRANSMIT JOURNAL							
No.	Remote Location	Mode	Start	Time	Pages	Result	Note
001	Murata Dallas	NORM	06, 09:47	00'47	01	OK	
002	Murata Columbus	NORM	06, 09:52	00'40	01	OK	Polling
003	Murata Sales SF	NORM	06, 09:55	00'12	01	OK	Polling

Feb 21, 86 5:46							
ACTIVITY JOURNAL (Jan 30, 86 - Feb 06, 86)							
RECEIVE JOURNAL							
No.	Remote Location	Mode	Start	Time	Pages	Result	Note
001	Murata Chicago	NORM	06, 09:47	00'47	01	OK	Polling
002	Murata Atlanta	NORM	06, 09:52	00'40	01	OK	
003	Murata Sales LA	NORM	06, 09:57	00'12	01	OK	

CONFIRMATION REPORTS

The ImageMate has three different settings for confirmation reports. These confirmation reports assure that the documents transmitted were actually received at the remote terminal. The reports are identical in format and are activated in the same manner at the transmitting unit. These confirmation report settings can be selected by the operator as follows:

- Setting: (1) **RCR** — The ImageMate will automatically generate a confirmation report for every transmission executed by the autodialer. If the receiving unit is another Multifax, a Receive Confirmation Report (RCR) will be generated. If not, a Transmit Confirmation Report (TCR) will be generated.
- (2) **TCR** — The ImageMate will automatically generate a Transmit Confirmation Report (TCR) for every transmission executed by the autodialer regardless of the receiving unit.
- (3) **OFF** — No confirmation will be generated automatically for transmissions executed by the autodialer.

NOTE: Regardless of which of the above is set on an ImageMate, pressing "RECEIVE" for a manually requested confirmation report will generate an RCR when sending to another Multifax and a TCR when sending to other fax units. Also, the ImageMate will always send an RCR when requested by another Multifax.

SELECTING THE TYPE OF CONFIRMATION REPORT — P, 3, 5, ENTR

Depending on your needs, you can request notification that the documents were transmitted or received. To select the type of receive confirmation report:

1. Press "P", "3" and "5". **SET CONFIRMATION** will appear in the display.
2. Press "ENTR". The current confirmation setting will be displayed.

Confirmation = RCR

3. To change the setting, press "SELECT" until the desired type of confirmation appears in the display.

Confirmation = TCR

4. If you do not want the confirmation report to print, press "SELECT" until the **OFF** confirmation setting appears in the display.

Confirmation = Off

5. Press "ENTR". The selected confirmation report will be set. The display will show:

****COMPLETED****

REQUESTING A CONFIRMATION REPORT

When using the keypad to dial the telephone or speed dial number, the ImageMate automatically prints a confirmation report when set to do so. To request the confirmation report when using the telephone handset:

1. Begin transmitting document(s) as explained in the Transmitting section.
2. Press "RECEIVE". Depending on the setting, an RCR or TCR will be printed. When the confirmation is set to "OFF", an RCR can still be printed out by pressing "RECEIVE".

****MULTIFAX TRANSMIT CONFIRMATION REPORT****

Journal No.	:	07
Receiver	:	MBS Support
Transmitter	:	MBS Atlanta
Date	:	16, 09, 85 10:25
Document	:	02 pages
Time	:	00'68"
Mode	:	FINE
Result	:	OK

****MULTIFAX RECEIVE CONFIRMATION REPORT****

Journal No.	:	12
Receiver	:	MBS Chicago
Transmitter	:	MBS Support
Date	:	16, 09, 85 10:25
Document	:	02 pages
Time	:	00'58"
Mode	:	FINE
Result	:	OK

COPY MODE

The ImageMate can be used as a convenience copier. To produce a copy:

1. The machine must be in the STAND-BY mode.
2. Place the document(s) face down into the document feeder. Adjust the document guides to the width of the document being copied. The first page of the document will be advanced into the scanner. The display will indicate the document size and mode as shown in the following example:

A4 NORM

3. To produce the clearest copy, set the machine to the SFINE mode by pressing "SELECT" until **SFINE** appears in the display.
4. Press "COPY" to begin copying. The display will read:

COPY SFINE SFINE

- NOTE:**
1. Unless "SELECT" is pressed, the machine will automatically operate in "FINE" mode.
 2. If the machine is called while making a copy, the machine will not answer the phone call. The machine will answer the call after the copies are completed.
 3. The copy mode can be used to determine what resolution setting (NORM, FINE, SFINE) should be selected for optimum speed or legibility of the copies to be transmitted.

CALL MODE

To communicate verbally during transmitting or receiving:

1. Press "CALL" while transmitting or receiving.
2. When the operator at the receiving location presses the CALL button, the call alarm will sound at the end of the page currently being received. If the other operator doesn't respond, the next page will be sent and the alarm will sound again, etc.

However, when the operator at the transmitting machine presses the CALL button, the call alarm will not sound until the end of the last page of the transmission.
3. When the call alarm sounds, the operator at this terminal should lift the telephone handset and press "CALL".
4. The operator call tone will sound at the terminal requesting the verbal communication.

5. This operator should then lift the telephone handset and press "CALL" to gain access to the phone line.

- NOTE:**
1. If the transmitting operator does not answer the call, the remaining documents in the feeder will be transmitted. The operator call alarm will continue to sound after each document until the transmitting operator answers the telephone or all the documents have been received.
 2. By pressing "CALL" once more while transmitting or receiving, the verbal communication is cancelled.
 3. The CALL mode works only when operating in Group 3 mode (NORM, FINE, SFINE, and GRAY modes).

RS232C INTERFACE

The ImageMate has an RS232C serial data interface that allows the unit to serve as a draft quality printer for a variety of office equipment such as computers and word processors using ASCII data.

SETTING THE RS232C PARAMETERS — P, *, *, ENTR

Before attempting to receive through the RS232C interface, the communication characteristics of the host terminal must be verified. The communication parameters of the ImageMate must then be set to match the parameters of the host. If you are not sure of compatibility with a host terminal, cable or modem configurations, contact your Customer Service Center.

To set the parameters for RS232C communication, the following procedures should be taken:

1. The machine must be in the STAND-BY mode.
2. Press "P", "*", "*". **SET DIP SW** will appear in the display.

3. Press "ENTR" until the settings for Dipswitch - 4 appear in the display.

DIPSWITCH 4 00000000

4. Each switch corresponds to a specific RS232C parameter setting. The switches are numbered from left to right beginning with #8 on the left and ending with #1 on the right. Each switch will either have a 0 or 1 in each position to represent the parameter setting.

To change a switch setting, press "CALL" to move the cursor to the right. Press "COPY" to move the cursor to the left. The setting that is blinking indicates the cursor position.

The following table indicates how each switch may be set:

Switch	RS232C Parameters	Setting	
8	Duplex	0	Half
		1	Full
7	XON/OFF (Protocol)	0	Every Carriage Return
		1	Buffer full
6,5	Parity	01	None
		10	Odd
		11	Even
4	Data Length	0	7bit
		1	8bit
3	Not Used	---	
2	Not Used	---	
1	Baud Rate	0	300 bps
		1	1200 bps

5. Enter either a 0 or 1 depending on the parameter setting for each switch.

6. Press "ENTR". The parameters will be set and the machine will return to the STAND-BY mode.

RS232C RECEIVING — P, 3, RECEIVE, ENTR

Before attempting to receive data through the RS232C port, set the communication parameters in accordance with the previous section.

To receive data through the RS232C port:

1. Press "P", "3" and "RECEIVE". **RECEIVE RS232** will appear in the display.
2. Press "ENTR". The data, if any, will be received and printed.
3. To stop receiving data and exit this mode, press "STOP".

4. If any error occurs due to improper mode selection, or when data errors occur repeatedly due to poor line condition, an error message is printed out and the machine returns to the STAND-BY mode.

NOTE: When you use the RS232C port to communicate with a host terminal, a shielded cable should be used that meets the emission limits according to class A of FCC requirements.

CHECK MESSAGES

If a problem arises during dialing or transmitting, the ImageMate will automatically print an error message and the ERROR lamp will flash. The ERROR lamp will flash continuously after the check message is printed out, and can be turned off by pressing "STOP".

An error message consists of the time and date printed, the start time, the location identifier or phone number of the remote location, an error code and a check message.

The check message assists the operator in solving the problem. The error code assists Customer Support with trouble-shooting.

PRINTED MESSAGES

There are four check messages as follows:

1. Verify the transmission mode and the operating condition of the other terminal and re-send the document(s).

If printed before a transmission begins, this check message indicates one of the following:

- a. The other machine is not compatible.
- b. The other machine is not operating or is experiencing telephone line problems.
- c. The other terminal is attempting to transmit a document of unacceptable size.

If printed out during or after transmission, this indicates one of the following:

- a. A firm connection was not received from the other terminal.
- b. Transmission was interrupted due to line problems.

- c. Transmission was interrupted when "STOP" was pressed.

2. Verify readability of transmitted copy.

Verify that the transmitted copy can be read. The quality may be poor due to deterioration in the quality of the telephone line.

3. Please transmit again from P. ____ .

Reset the transmit beginning with the page indicated after P. ____ .

4. Unable to contact remote machine. Call Again.

Call the other machine again and re-send the document(s). This check message is printed out at the beginning of a call if one of the following conditions results:

- a. Line problems prohibit facsimile communication.
- b. A firm line connection was not achieved.

DISPLAY MESSAGES

In addition to the preceding check messages, the machine has visual check messages in the display. When the following messages appear in the display, correct the operations as indicated:

1. Insert document — Place the document in the machine.
2. Hang up Phone — Place the telephone in the handset.
3. Confirm RX paper — Open the cover and load the receive paper properly.

If the check messages continue, contact your Customer Support Center for assistance. The number is listed in the Service Section.

MULTIFAX IMAGE MATE SPECIFICATIONS

Type: High-speed compact, desk-top transceiver.

Compatibility: Group 3, 2, and 1 (North American FM).

Applicable Telephone Line: Public Switched Telephone Network (P.S.T.N.) or the equivalent, and two wire leased line.

Modem: 9600 bps with automatic fallback to 7200, 4800 and 2400 bps per CCITT V.29 and V.27ter.

Resolution:	Superfine	203H x 392V lpi
	Fine	203H x 196V lpi
	Norm	203H x 98 lpi
	G2	203H x 98V lpi
	G1	203H x 98V lpi

Original Document Size:

Width 4.72" - 11" (120 mm - 280 mm)

Length 3.94" - 39.4" (100 mm - 1000 mm)

Effective Scanning Width: 10.1" (256 mm)

Effective Printing Width: 8.5" (216 mm)

Scanning Method: Solid State CCD

Recording Paper Size: 8½" x 328' (216 mm x 100 m)

ASCII Data Interface: RS232C

Power Requirement: 115 ± 10% 50/60 HZ

Dimensions: 16.1" (W) x 11.7" (D) x 5.5" (H)

410 x 297 x 140 mm

Weight: 21 lbs. (9.5 kg)



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